July 2, 2020

Mike Bratcher
New Mexico Energy, Minerals and Natural Resources Department
Oil Conservation Division, District 2
811 S. First Street
Artesia, NM 88210

Re: Site Assessment Summary and Remediation Plan
Natural Gas Gathering Line #11117 Leak Location 2
GPS: Latitude 32.297758 Longitude -104.255832
UL "P", Sec. 14, T23S, R26E
Eddy County, NM
NMOCD Ref. No. NRM2016954249

Tasman Geosciences, Inc. (Tasman), on behalf of DCP Operating Company, LP (DCP), has prepared this Site Assessment Summary and Remediation Plan for the condensate and natural gas Release Site known as the Natural Gas Gathering Line #11117 Leak Location 2. Details of the release are summarized below:

RELEASE DETAILS			
Type of Release:	Natural Gas, Condensate	**Volume of Release:**	Unknown
		Volume Recovered:	Unknown
Source of Release:	6" Steel Gas Gathering Pipeline	**Date of Discovery:**	7/19/19
Was Immediate Notice Given?	Not Required	**If, YES, to Whom?**	N/A
Was a Watercourse Reached?	No	**If YES, Volume Impacting the Watercourse:**	N/A
Surface Owner:	Montclair Development Corporation	**Mineral Owner:**	NA

Describe Cause of Problem and Remedial Action Taken:

Seeping natural gas was discovered due to small pipeline failure (hole open under pressure). Initial field observations of the release suggested the volume of any associated hydrocarbon liquids was below NMOCD reporting thresholds. After further investigation and assessment of recent analytical data, the release has now been conservatively estimated to be equal to or somewhat greater than the minimum reportable quantity (minor release threshold).

Site Characteristics Map is provided as Attachment #1. General Site Photographs are provided as Attachment #6. A Copy of the Initial Release Notification and Corrective Action (NMOCD Form C-141) is provided as Attachment #8.

REGULATORY FRAMEWORK

Surface impacts from unauthorized releases of crude oil, gases, produced water, condensate or other oil field waste which occur during normal oilfield operations are generally regulated by the New Mexico Oil Conservation Division (NMOCD) in accordance with 19.15.29 of the New Mexico Administrative Code (NMAC). 19.15.29 NMAC establishes reporting, site assessment/characterization, remediation, closure, variance and enforcement procedures. Table I of 19.15.29.12 NMAC determines the closure criteria for soils impacted by a release based on the depth to groundwater and the following site characteristics:

Site Characteristics	
Approximate Depth to Groundwater	**~197 Ft.**
Within 300 ft. of any continuously flowing or significant watercourse?	☐ Yes ☑ No
Within 200 ft. of any lakebed, sinkhole, or playa lake?	☐ Yes ☑ No
Within 300 ft. of an occupied permanent residence, school, hospital, or institution?	☐ Yes ☑ No
Within 500 ft. of a spring or private, domestic fresh water well?	☐ Yes ☑ No
Within 1,000 ft. of any fresh water well?	☑ Yes ☐ No
Within the incorporated municipal boundaries or within a municipal well field?	☐ Yes ☑ No
Within 300 ft. of a wetland?	☐ Yes ☑ No
Within the area overlying a subsurface mine?	☐ Yes ☑ No
Within an unstable area?	☐ Yes ☑ No
Within a 100-year floodplain?	☐ Yes ☑ No

A search of a groundwater database maintained by The Office of the State Engineer (OSE) was conducted to determine the average depth to groundwater within a 1 Mile radius of the Release Site and identify any registered water wells within a 1/2 Mile of the Release Site. If none were identified, the approximate depth to groundwater was extrapolated from a Depth to Groundwater Map utilized by the NMOCD. Depth to groundwater information is provided as Attachment #5.

Based on the approximate depth to groundwater and site characteristics, the NMOCD Closure Criteria are as follows:

Table I
Closure Criteria for Soils Impacted by a Release

Minimum depth below any point within the horizontal boundary of the release to ground water less than 10,000 mg/l TDS	Constituent	Method*	Limit**
≤ 50 feet	Chloride***	EPA 300.0 or SM4500 Cl B	600 mg/kg
	TPH (GRO+DRO+MRO)	EPA SW-846 Method 8015M	100 mg/kg
	BTEX	EPA SW-846 Method 8021B or 8260B	50 mg/kg
	Benzene	EPA SW-846 Method 8021B or 8260B	10 mg/kg

SITE ASSESSMENT SUMMARY

From July 29, 2019 to July 31, 2019 Tasman personnel conducted oversight on initial remediation activities. Oversight included management of impacted soil within the relevant pipeline right-of-way that was previously excavated by DCP maintenance crew during line repair activities. A total of approximately 72 cubic yards of material was hauled, under manifest, to a NMOCD-approved disposal facility. Three (3) 5-point composite samples were taken from the base and sidewalls of the excavated area and submitted to the laboratory for analysis of total petroleum hydrocarbons (TPH) and chloride (Cl-) concentrations. Laboratory analytical results indicated that TPH and/or Cl- concentrations from the collected soil samples were above applicable NMOCD Closure Criteria (Table I).

Between October 22, 2019 and January 28, 2020, Tasman personnel revisited the Release Site three (3) additional times in an effort to complete additional site characterization, excavate identified hydrocarbon impacted soil, collect confirmation soil samples and transport/dispose of excavated soil to a NMOCD-approved disposal facility. During the assessment, three (3) composite method soil samples were collected from the base and sidewalls of the open excavation and submitted to an NMOCD-approved laboratory for analysis of TPH, BTEX, and/or Chloride. Based on the remediation activities described above, the confirmation soil sample analytical results indicate that BTEX and Cl- concentrations are below the NMOCD Closure Criteria and are no longer a constituent of concern. TPH still remains above the NMOCD Closure Criteria of 100 ppm. A table summarizing laboratory analytical results from soil samples collected during the January 28,2020 site assessment is provided below.

Concentrations of Benzene, BTEX, TPH, and/or Chloride in Soil

Sample ID	Date	Depth	Soil Status	SW 846 8021B		SW 846 8015M Ext.					EPA 300
				Benzene (mg/kg)	BTEX (mg/kg)	GRO C_6-C_{10} (mg/kg)	DRO C_{10}-C_{28} (mg/kg)	GRO + DRO C_6-C_{28} (mg/kg)	MRO C_{28}-C_{35} (mg/kg)	TPH C_6-C_{35} (mg/kg)	Chloride (mg/kg)
Bottom-1 @ 1' 5pt.	1/28/2020	1'	In-Situ	<0.050	<0.300	<10.0	281	281	95.2	**376**	48.0
Bottom-2 @ 1' 5pt.	1/28/2020	1'	In-Situ	<0.050	<0.300	<10.0	3,220	3,220	947	**4,167**	48.0
Wall 5pt.	1/28/2020	4'	In-Situ	<0.050	0.621	33.5	3,810	3,843.5	875	**4,718.5**	32.0
Closure Criteria				**10**	**50**	**-**	**-**	**-**	**-**	**100**	**600**

A " Site Overview Map" is provided as Figure 2 (Attachment 2). Field Data, if applicable, is provided as Attachment #4. Laboratory analytical reports are provided as Attachment #7.

SOIL BORE DELINEATION

In an effort to determine the vertical and horizontal extent of soil impacts, DCP proposes to install five (5) soil bores utilizing an air rotary drilling rig. Soil samples will be collected at equal intervals and field screened for chlorides and hydrocarbons. Representative soil samples from each soil bore will be submitted to an NMOCD-approved laboratory for analysis of TPH.

A "Proposed Soil Bore Location Map" is provided as Figure 3 (Attachment 3).

REMEDIATION PLAN

Based on laboratory analytical results, site characteristics and field observations made during the site assessment, DCP proposes the following remediation activities designed to advance the Release Site toward an NMOCD approved closure:

•Utilizing mechanical equipment, advance excavation vertically and horizontally in the areas exceeding a Total TPH of 100 mg/kg until laboratory analytical results from excavation confirmation soil samples indicate concentrations of TPH are below the NMOCD Closure Criteria.
• Excavated soil will be temporarily stockpiled on-site, atop a poly liner, pending transportation under manifest to an NMOCD-approved disposal facility.
• Upon receiving laboratory analytical results from confirmation soil samples below the NMOCD Closure Criteria, excavated areas will be backfilled with locally sourced, non-impacted "like" material. The affected area will be contoured and/or compacted to achieve erosion control, stability and preservation of surface water flow to the extent practicable.

SAMPLING PLAN

Upon completion of remediation activities, representative five-point composite confirmation soil samples will be collected from the base of the remediated area, representing no more than 500 square feet. Confirmation grab soil samples will be collected from the sidewalls of the remediated area in each cardinal direction, representing no more than 50 linear ft. Additional "discrete" confirmation soil samples will be collected from any excavation grade changes and wet or visibly stained areas inferred to have been affected by the Release, if applicable.

TIMELINE AND ESTIMATED VOLUME OF SOIL TO BE REMEDIATED

Remediation activities are expected to be completed within 90 days of receiving necessary approval(s) of this *Site Assessment Summary and Remediation Plan* . Based on laboratory analytical results, site characteristics and field observations made during the site assessment it is estimated approximately 200 cubic yards of soil has been affected above the NMOCD Closure Criteria.

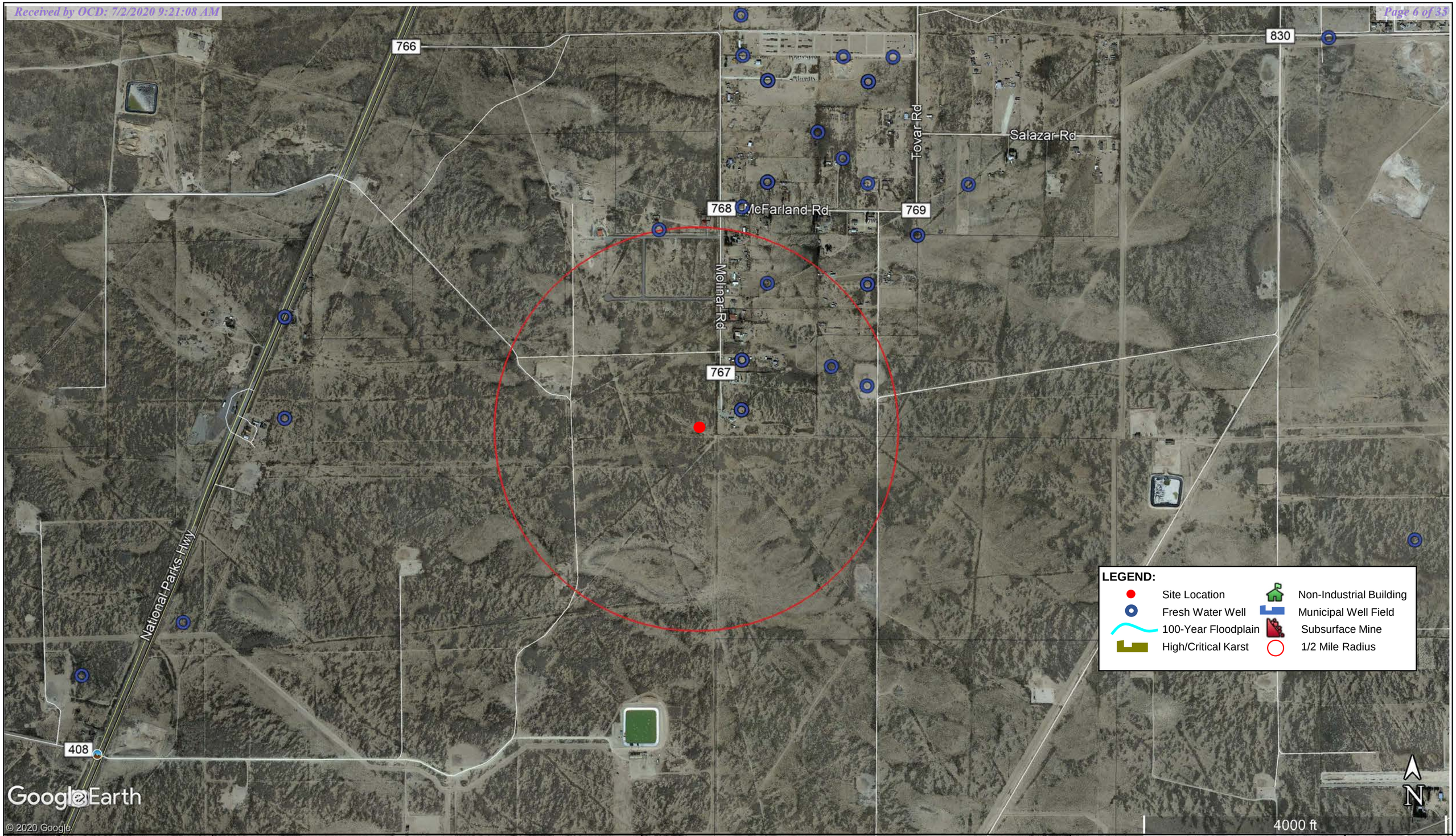
If you have any questions, or if additional information is required, please feel free to contact Stephen Weathers or the undersigned by phone or email.

Kyle Norman
Regional Project Manager
Tasman Geosciences, Inc.
Phone: 575-318-5017

Email: knorman@tasman-geo.com

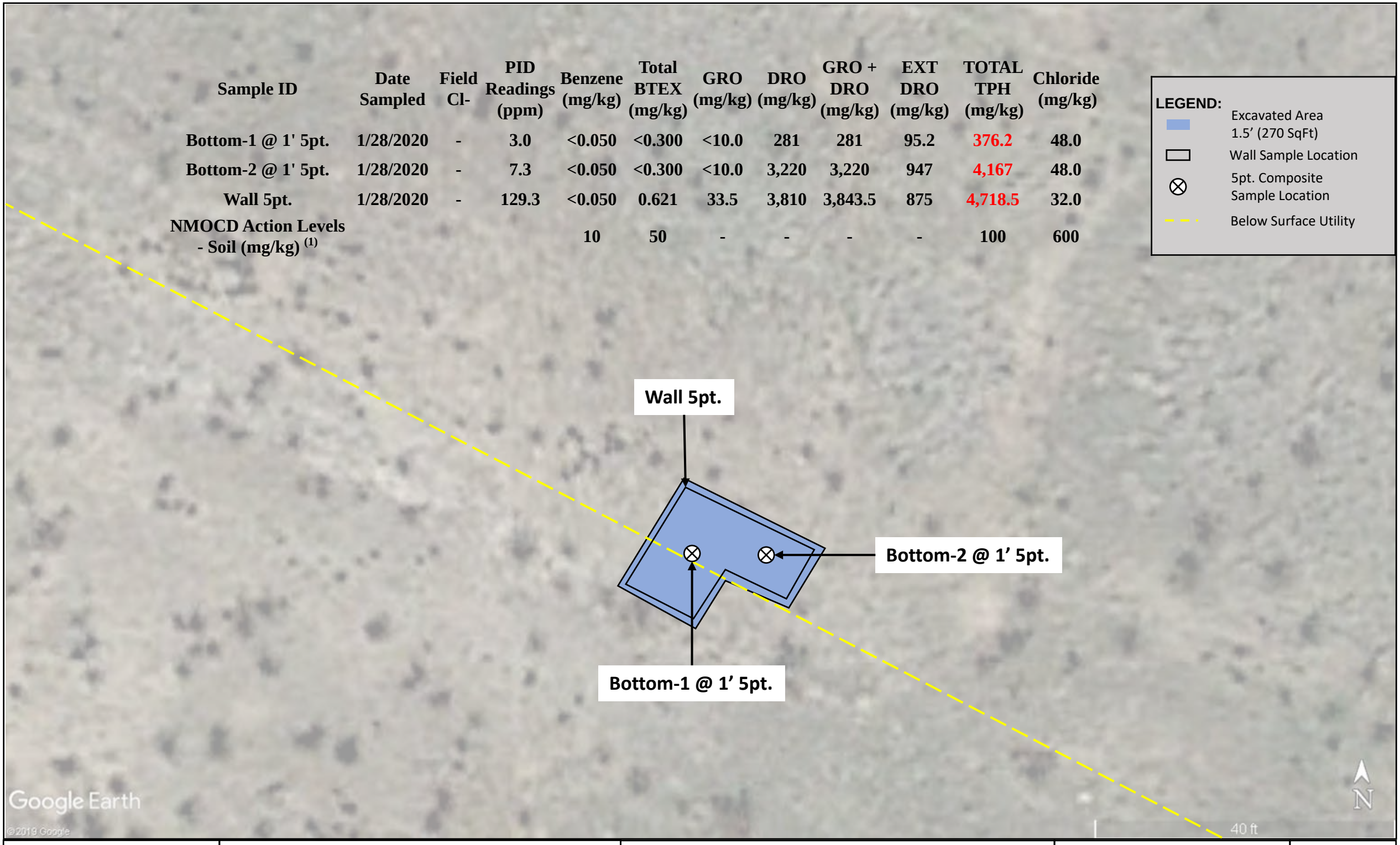
Attachments:	Attachment #1-	Figure 1 - Site Characteristics Map
	Attachment #2-	Figure 2 - Soil Impacts Map
	Attachment #3-	Figure 3 - Proposed Soil Bore Location Map
	Attachment #4-	Field Data
	Attachment #5-	Depth to Groundwater Information
	Attachment #6-	General Site Photographs

Attachment #7- Laboratory Analytical Reports
Attachment #8- Release Notification and Corrective Action (FORM C-141)



DATE: June 2020 DESIGNED BY : KN DRAWN BY: KN	TASMAN GEOSCIENCES	***Tasman Geosciences, Inc.*** ***2620 W. Marland Blvd.*** ***Hobbs, NM 88240***	**DCP Midstream** **11117 Leak Location 2** GPS: 32.297758, -104.255832 UL "P", Section 14, Township 23 South, Range 26 East Eddy County, New Mexico	Site Characteristics Map	**Figure 1**

Sample ID	Date Sampled	Field Cl-	PID Readings (ppm)	Benzene (mg/kg)	Total BTEX (mg/kg)	GRO (mg/kg)	DRO (mg/kg)	GRO + DRO (mg/kg)	EXT DRO (mg/kg)	TOTAL TPH (mg/kg)	Chloride (mg/kg)
Bottom-1 @ 1' 5pt.	1/28/2020	-	3.0	<0.050	<0.300	<10.0	281	281	95.2	376.2	48.0
Bottom-2 @ 1' 5pt.	1/28/2020	-	7.3	<0.050	<0.300	<10.0	3,220	3,220	947	4,167	48.0
Wall 5pt.	1/28/2020	-	129.3	<0.050	0.621	33.5	3,810	3,843.5	875	4,718.5	32.0
NMOCD Action Levels - Soil (mg/kg) (1)				10	50	-	-	-	-	100	600

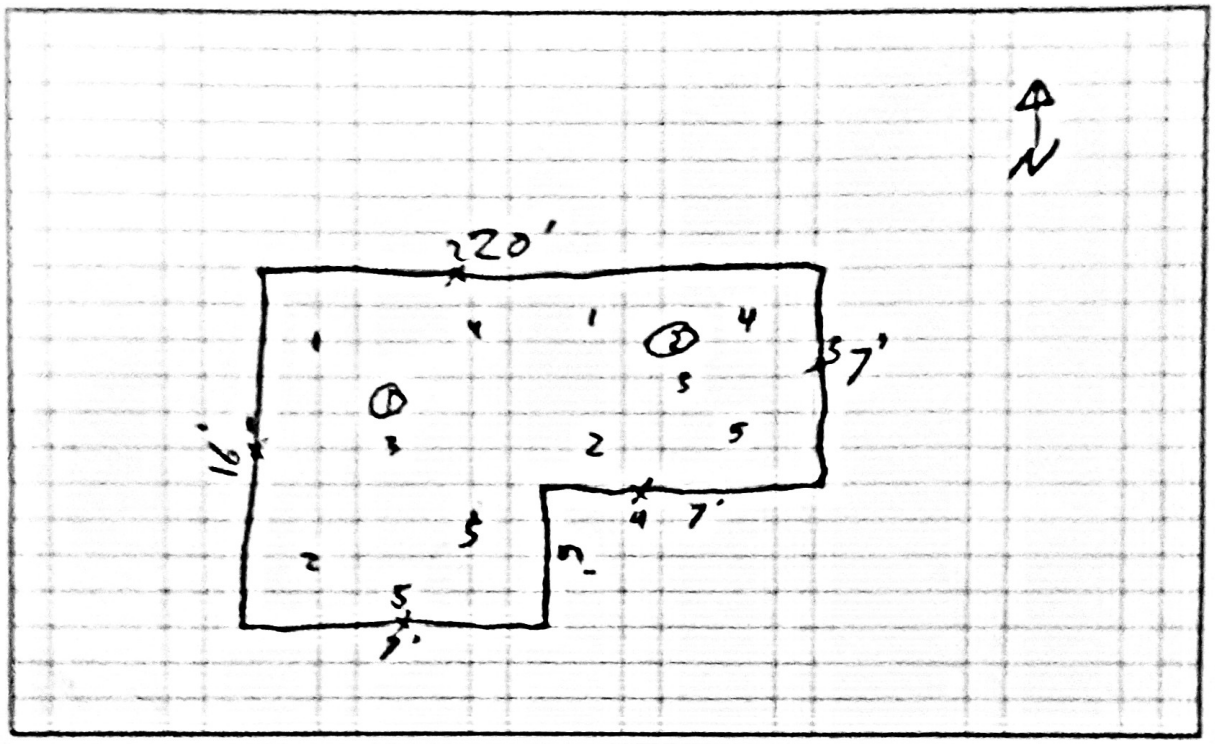


DATE: January 2020 DESIGNED BY: B. Cooper DRAWN BY: B. Cooper	TASMAN GEOSCIENCES *Tasman Geosciences, Inc.* *2620 W. Marland Blvd.* *Hobbs, NM 88240*	**DCP Midstream** **11117 Leak Location 2** GPS: 32.297758, -104.255832 Eddy County, New Mexico	Soil Impacts Map	**Figure 2**

DATE: March 2020 DESIGNED BY: B. Cooper DRAWN BY: B. Cooper	TASMAN GEOSCIENCES *Tasman Geosciences, Inc.* *2620 W. Marland Blvd.* *Hobbs, NM 88240*	**DCP Midstream** **11117 Leak Location 2** GPS: 32.297758, -104.255832 Eddy County, New Mexico	Proposed Soil Bore Location Map	**Figure 3**

Site Name: 11117 Fig 2 Date: 1-28-20

Field Observation Log



ID	Cl-	Odor/PID
Wall		129.3
GPS:		

ID	Cl-	Odor/PID
GPS:		

ID	Cl-	Odor/PID
GPS:		

ID	Cl-	Odor/PID
Area 1		3.0
GPS:		

ID	Cl-	Odor/PID
GPS:		

ID	Cl-	Odor/PID
GPS:		

ID	Cl-	Odor/PID
Area 2		7.3
GPS:		

ID	Cl-	Odor/PID
GPS:		

ID	Cl-	Odor/PID
GPS:		

New Mexico Office of the State Engineer
Water Column/Average Depth to Water

(A CLW##### in the POD suffix indicates the POD has been replaced & no longer serves a water right file.)

(R=POD has been replaced, O=orphaned, C=the file is closed)

(quarters are 1=NW 2=NE 3=SW 4=SE)
(quarters are smallest to largest)

(NAD83 UTM in meters)

(In feet)

POD Number	POD Sub-basin	County	Q 64	Q 16	Q 4	Sec	Tws	Rng	X	Y	Distance	Depth Well	Depth Water	Water Column
C 01572	C	ED	3	3	3	13	23S	26E	570245	3573761*	198	215		
C 02040	C	ED	3	3	3	13	23S	26E	570245	3573761*	198	264	185	79
C 02658 POD2	C	ED	3	3	3	13	23S	26E	570245	3573761*	198	252	211	41
C 01733	C	ED	1	3	3	13	23S	26E	570245	3573961*	332	247	197	50
C 01743	C	ED	1	3	3	13	23S	26E	570245	3573961*	332	250	196	54
C 02442	C	ED	1	3	3	13	23S	26E	570245	3573961*	332	276	200	76
C 04348 POD1	C	ED	3	1	3	13	23S	26E	570224	3574192	534	260		
C 03348	C	ED	1	3	3	13	23S	26E	570606	3573938	599	240	200	40
C 01832	C	ED		1	3	13	23S	26E	570345	3574268*	649	250	200	50
C 01672	C	ED		4	3	13	23S	26E	570750	3573861*	709	280	80	200
C 03323 POD1	C	ED	3	4	2	14	23S	26E	569909	3574479	811	275	205	70
C 01905	C	ED		2	3	13	23S	26E	570749	3574267*	900	300		
C 03071	C	ED		2	3	13	23S	26E	570749	3574267*	900	250	204	46
C 02052	C	ED	3	3	1	13	23S	26E	570242	3574573*	907	290		
C 04201 POD1	C	ED	4	4	2	14	23S	26E	569626	3574546	967	255	110	145
C 01626	C	ED		3	1	13	23S	26E	570343	3574674*	1029	246	198	48
C 01822	C	ED		3	1	13	23S	26E	570343	3574674*	1029	258	200	58
C 01822 POD2	C	ED		3	1	13	23S	26E	570343	3574674*	1029	228	212	16
C 01857	C	ED				13	23S	26E	570949	3574465*	1181	255	197	58
C 02232	C	ED				13	23S	26E	570949	3574465*	1181	240	200	40
C 02484 EXPL	CUB	ED		4	1	13	23S	26E	570747	3574672*	1202	280	175	105
C 01968	C	ED	1	4	1	13	23S	26E	570646	3574771*	1234	247	200	47
C 02059	C	ED			1	13	23S	26E	570544	3574875*	1285	282	190	92
C 01851	C	ED		1	1	13	23S	26E	570341	3575080*	1424	258	207	51
C 02260	C	ED		1	1	13	23S	26E	570341	3575080*	1424	247	218	29
C 02537	C	ED		1	1	13	23S	26E	570341	3575080*	1424	280	210	70

***UTM location was derived from PLSS - see Help**

(A CLW##### in the POD suffix indicates the POD has been replaced & no longer serves a water right file.)

(R=POD has been replaced, O=orphaned, C=the file is closed)

(quarters are 1=NW 2=NE 3=SW 4=SE)

(quarters are smallest to largest) (NAD83 UTM in meters) (In feet)

POD Number	POD Sub-basin Code	County	Q 64	Q 16	Q 4	Sec	Tws	Rng	X	Y	Distance	Depth Well	Depth Water	Water Column
C 01825	C	ED		3	2	13	23S	26E	571151	3574670*	1468	243	221	22
C 01867	C	ED	1	1	1	13	23S	26E	570240	3575179*	1506	250	212	38
C 01762	C	ED		2	1	13	23S	26E	570746	3575078*	1553	260	191	69
C 01762 POD2	C	ED		2	1	13	23S	26E	570746	3575078*	1553	250	203	47
C 01765	C	ED		2	1	13	23S	26E	570746	3575078*	1553	350		
C 02444	C	ED		2	1	13	23S	26E	570746	3575078*	1553	250	177	73
C 02205	C	ED	1	2	1	13	23S	26E	570645	3575177*	1603	240	210	30
C 01015	C	ED	4	4	4	15	23S	26E	568408	3573714*	1655	318	245	73
C 03238	C	ED	4	4	4	15	23S	26E	568408	3573714*	1655	323	245	78
C 03396 POD1	C	ED	3	3	3	12	23S	26E	570231	3575341	1666	280	220	60
C 01642	C	ED	2	2	1	13	23S	26E	570845	3575177*	1686	303		

Average Depth to Water: **197 feet**

Minimum Depth: **80 feet**

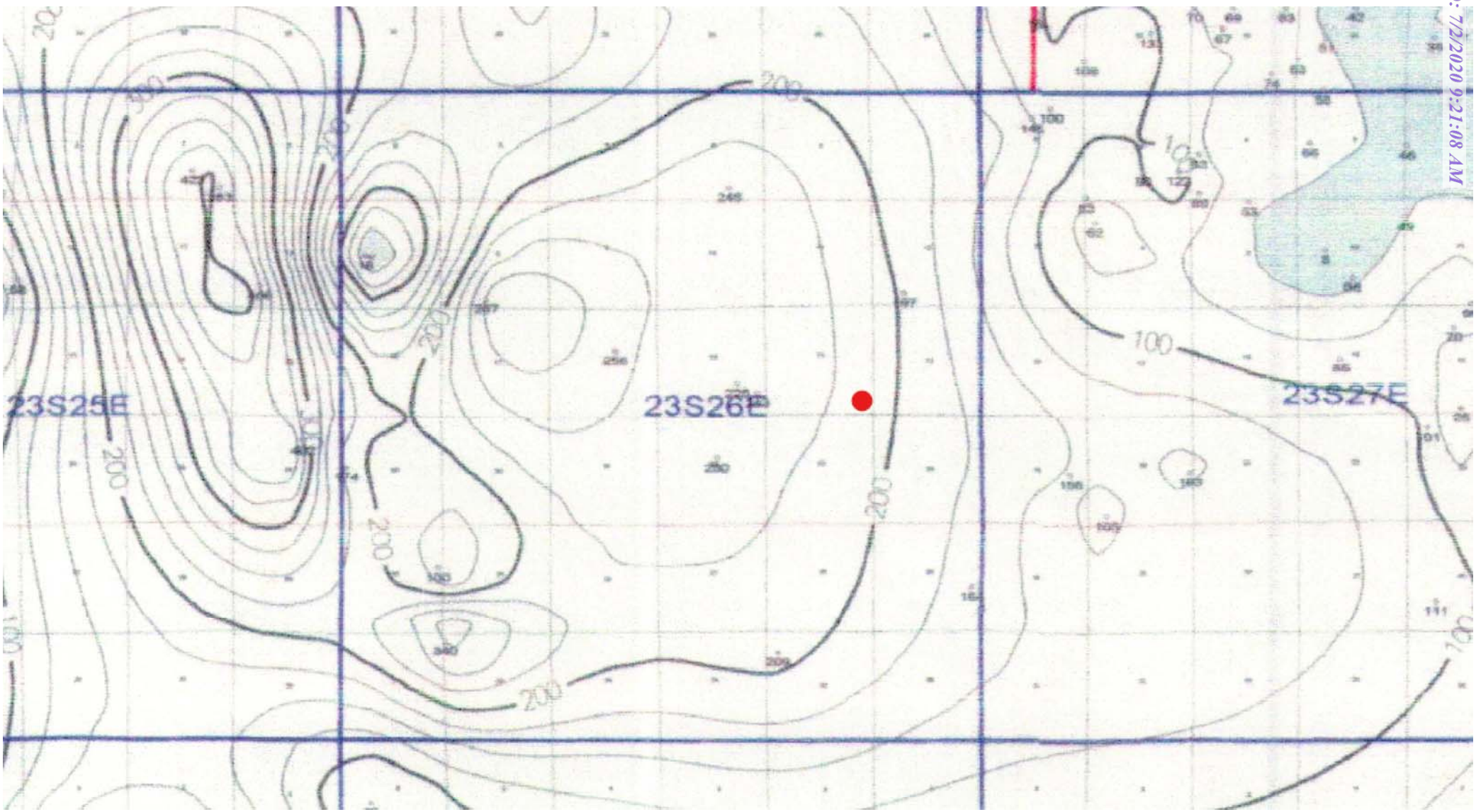
Maximum Depth: **245 feet**

Record Count: 37

UTMNAD83 Radius Search (in meters):

Easting (X): 570063 **Northing (Y):** 3573683 **Radius:** 1700

***UTM location was derived from PLSS - see Help**



DCP Midstream

11117 – Leak-2 1-28-20

North

South

DCP Midstream

11117 – Leak-2 1-28-20

East

West

DCP Midstream

11117- Leak-2 1-28-20

Collecting Bottom Comp Samples

Collecting Bottom Comp Samples

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

January 29, 2020

KYLE NORMAN

TASMAN GEOSCIENCES

6899 PECOS ST. UNIT C

DENVER, CO 80221

RE: DCP

Enclosed are the results of analyses for samples received by the laboratory on 01/28/20 16:05.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-19-12. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

Cardinal Laboratories is accreditated through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Celey D. Keene

Celey D. Keene

Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

TASMAN GEOSCIENCES
KYLE NORMAN
6899 PECOS ST. UNIT C
DENVER CO, 80221
Fax To:

Received:	01/28/2020	Sampling Date:	01/28/2020
Reported:	01/29/2020	Sampling Type:	Soil
Project Name:	DCP	Sampling Condition:	Cool & Intact
Project Number:	11117 FIG 1-3 LEAK 1-3	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

Sample ID: WALL - 1 5 PT. (H000265-01)

BTEX 8021B mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/29/2020	ND	1.98	98.9	2.00	10.4	
Toluene*	<0.050	0.050	01/29/2020	ND	2.02	101	2.00	9.90	
Ethylbenzene*	<0.050	0.050	01/29/2020	ND	2.00	100	2.00	10.6	
Total Xylenes*	<0.150	0.150	01/29/2020	ND	5.99	99.8	6.00	10.3	
Total BTEX	<0.300	0.300	01/29/2020	ND					

Surrogate: 4-Bromofluorobenzene (PID *99.0 %* *73.3-129*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**176**	16.0	01/29/2020	ND	416	104	400	7.41	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/29/2020	ND	204	102	200	0.469	
DRO >C10-C28*	**392**	10.0	01/29/2020	ND	222	111	200	0.303	
EXT DRO >C28-C36	**88.9**	10.0	01/29/2020	ND					

Surrogate: 1-Chlorooctane *67.4 %* *41-142*

Surrogate: 1-Chlorooctadecane *68.7 %* *37.6-147*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

TASMAN GEOSCIENCES
KYLE NORMAN
6899 PECOS ST. UNIT C
DENVER CO, 80221
Fax To:

Received:	01/28/2020	Sampling Date:	01/28/2020
Reported:	01/29/2020	Sampling Type:	Soil
Project Name:	DCP	Sampling Condition:	Cool & Intact
Project Number:	11117 FIG 1-3 LEAK 1-3	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

Sample ID: WALL - 2 5 PT. (H000265-02)

BTEX 8021B mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/29/2020	ND	1.98	98.9	2.00	10.4	
Toluene*	<0.050	0.050	01/29/2020	ND	2.02	101	2.00	9.90	
Ethylbenzene*	<0.050	0.050	01/29/2020	ND	2.00	100	2.00	10.6	
Total Xylenes*	<0.150	0.150	01/29/2020	ND	5.99	99.8	6.00	10.3	
Total BTEX	<0.300	0.300	01/29/2020	ND					

Surrogate: 4-Bromofluorobenzene (PID *97.0 %* *73.3-129*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**16.0**	16.0	01/29/2020	ND	416	104	400	7.41	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/29/2020	ND	204	102	200	0.469	
DRO >C10-C28*	**217**	10.0	01/29/2020	ND	222	111	200	0.303	
EXT DRO >C28-C36	**51.1**	10.0	01/29/2020	ND					

Surrogate: 1-Chlorooctane *70.5 %* *41-142*

Surrogate: 1-Chlorooctadecane *85.8 %* *37.6-147*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

TASMAN GEOSCIENCES
KYLE NORMAN
6899 PECOS ST. UNIT C
DENVER CO, 80221
Fax To:

Received:	01/28/2020	Sampling Date:	01/28/2020
Reported:	01/29/2020	Sampling Type:	Soil
Project Name:	DCP	Sampling Condition:	Cool & Intact
Project Number:	11117 FIG 1-3 LEAK 1-3	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

Sample ID: WALL - 3 5 PT. (H000265-03)

BTEX 8021B mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/29/2020	ND	1.98	98.9	2.00	10.4	
Toluene*	<0.050	0.050	01/29/2020	ND	2.02	101	2.00	9.90	
Ethylbenzene*	<0.050	0.050	01/29/2020	ND	2.00	100	2.00	10.6	
Total Xylenes*	<0.150	0.150	01/29/2020	ND	5.99	99.8	6.00	10.3	
Total BTEX	<0.300	0.300	01/29/2020	ND					

Surrogate: 4-Bromofluorobenzene (PID *99.2 %* *73.3-129*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	01/29/2020	ND	416	104	400	7.41	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/29/2020	ND	204	102	200	0.469	
DRO >C10-C28*	**36.8**	10.0	01/29/2020	ND	222	111	200	0.303	
EXT DRO >C28-C36	<10.0	10.0	01/29/2020	ND					

Surrogate: 1-Chlorooctane *77.0 %* *41-142*

Surrogate: 1-Chlorooctadecane *77.7 %* *37.6-147*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

TASMAN GEOSCIENCES
KYLE NORMAN
6899 PECOS ST. UNIT C
DENVER CO, 80221
Fax To:

Received:	01/28/2020	Sampling Date:	01/28/2020
Reported:	01/29/2020	Sampling Type:	Soil
Project Name:	DCP	Sampling Condition:	Cool & Intact
Project Number:	11117 FIG 1-3 LEAK 1-3	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

Sample ID: BOTTOM- 1 @ 3' 5 PT. (H000265-04)

BTEX 8021B mg/kg **Analyzed By: MS**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/29/2020	ND	1.98	98.9	2.00	10.4	
Toluene*	<0.050	0.050	01/29/2020	ND	2.02	101	2.00	9.90	
Ethylbenzene*	<0.050	0.050	01/29/2020	ND	2.00	100	2.00	10.6	
Total Xylenes*	**0.412**	0.150	01/29/2020	ND	5.99	99.8	6.00	10.3	
Total BTEX	**0.412**	0.300	01/29/2020	ND					

Surrogate: 4-Bromofluorobenzene (PID *108 %* *73.3-129*

Chloride, SM4500Cl-B mg/kg **Analyzed By: AC**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	01/29/2020	ND	416	104	400	7.41	

TPH 8015M mg/kg **Analyzed By: MS**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	**14.9**	10.0	01/29/2020	ND	204	102	200	0.469	
DRO >C10-C28*	**1220**	10.0	01/29/2020	ND	222	111	200	0.303	
EXT DRO >C28-C36	**195**	10.0	01/29/2020	ND					

Surrogate: 1-Chlorooctane *78.0 %* *41-142*

Surrogate: 1-Chlorooctadecane *89.3 %* *37.6-147*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

TASMAN GEOSCIENCES
KYLE NORMAN
6899 PECOS ST. UNIT C
DENVER CO, 80221
Fax To:

Received:	01/28/2020	Sampling Date:	01/28/2020
Reported:	01/29/2020	Sampling Type:	Soil
Project Name:	DCP	Sampling Condition:	Cool & Intact
Project Number:	11117 FIG 1-3 LEAK 1-3	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

Sample ID: BOTTOM- 2 @ 3' 5 PT. (H000265-05)

BTEX 8021B mg/kg Analyzed By: MS S-04

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/29/2020	ND	1.98	98.9	2.00	10.4	
Toluene*	**0.182**	0.050	01/29/2020	ND	2.02	101	2.00	9.90	
Ethylbenzene*	**0.161**	0.050	01/29/2020	ND	2.00	100	2.00	10.6	
Total Xylenes*	**4.02**	0.150	01/29/2020	ND	5.99	99.8	6.00	10.3	
Total BTEX	**4.36**	0.300	01/29/2020	ND					

Surrogate: 4-Bromofluorobenzene (PID *173 %* *73.3-129*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**32.0**	16.0	01/29/2020	ND	416	104	400	7.41	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	**87.9**	10.0	01/29/2020	ND	204	102	200	0.469	
DRO >C10-C28*	**3480**	10.0	01/29/2020	ND	222	111	200	0.303	
EXT DRO >C28-C36	**596**	10.0	01/29/2020	ND					

Surrogate: 1-Chlorooctane *92.1 %* *41-142*

Surrogate: 1-Chlorooctadecane *141 %* *37.6-147*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

TASMAN GEOSCIENCES
KYLE NORMAN
6899 PECOS ST. UNIT C
DENVER CO, 80221
Fax To:

Received:	01/28/2020	Sampling Date:	01/28/2020
Reported:	01/29/2020	Sampling Type:	Soil
Project Name:	DCP	Sampling Condition:	Cool & Intact
Project Number:	11117 FIG 1-3 LEAK 1-3	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

Sample ID: BOTTOM- 3 @ 3' 5 PT. (H000265-06)

BTEX 8021B mg/kg **Analyzed By: MS**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/29/2020	ND	1.98	98.9	2.00	10.4	
Toluene*	<0.050	0.050	01/29/2020	ND	2.02	101	2.00	9.90	
Ethylbenzene*	<0.050	0.050	01/29/2020	ND	2.00	100	2.00	10.6	
Total Xylenes*	**0.193**	0.150	01/29/2020	ND	5.99	99.8	6.00	10.3	
Total BTEX	<0.300	0.300	01/29/2020	ND					

Surrogate: 4-Bromofluorobenzene (PID *109 %* *73.3-129*

Chloride, SM4500Cl-B mg/kg **Analyzed By: AC**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**64.0**	16.0	01/29/2020	ND	416	104	400	7.41	

TPH 8015M mg/kg **Analyzed By: MS**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/29/2020	ND	204	102	200	0.469	
DRO >C10-C28*	**2460**	10.0	01/29/2020	ND	222	111	200	0.303	
EXT DRO >C28-C36	**488**	10.0	01/29/2020	ND					

Surrogate: 1-Chlorooctane *75.7 %* *41-142*

Surrogate: 1-Chlorooctadecane *120 %* *37.6-147*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

TASMAN GEOSCIENCES
KYLE NORMAN
6899 PECOS ST. UNIT C
DENVER CO, 80221
Fax To:

Received:	01/28/2020	Sampling Date:	01/28/2020
Reported:	01/29/2020	Sampling Type:	Soil
Project Name:	DCP	Sampling Condition:	Cool & Intact
Project Number:	11117 FIG 1-3 LEAK 1-3	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

Sample ID: BOTTOM- 4 @ 8' 5 PT. (H000265-07)

BTEX 8021B mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/29/2020	ND	1.98	98.9	2.00	10.4	
Toluene*	<0.050	0.050	01/29/2020	ND	2.02	101	2.00	9.90	
Ethylbenzene*	<0.050	0.050	01/29/2020	ND	2.00	100	2.00	10.6	
Total Xylenes*	<0.150	0.150	01/29/2020	ND	5.99	99.8	6.00	10.3	
Total BTEX	<0.300	0.300	01/29/2020	ND					

Surrogate: 4-Bromofluorobenzene (PID *99.5 %* *73.3-129*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**32.0**	16.0	01/29/2020	ND	416	104	400	7.41	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/29/2020	ND	204	102	200	0.469	
DRO >C10-C28*	<10.0	10.0	01/29/2020	ND	222	111	200	0.303	
EXT DRO >C28-C36	<10.0	10.0	01/29/2020	ND					

Surrogate: 1-Chlorooctane *71.3 %* *41-142*

Surrogate: 1-Chlorooctadecane *72.1 %* *37.6-147*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

TASMAN GEOSCIENCES
KYLE NORMAN
6899 PECOS ST. UNIT C
DENVER CO, 80221
Fax To:

Received:	01/28/2020	Sampling Date:	01/28/2020
Reported:	01/29/2020	Sampling Type:	Soil
Project Name:	DCP	Sampling Condition:	Cool & Intact
Project Number:	11117 FIG 1-3 LEAK 1-3	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

Sample ID: BOTTOM- 5 @ 8' 5 PT. (H000265-08)

BTEX 8021B mg/kg Analyzed By: MS S-04

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/29/2020	ND	1.98	98.9	2.00	10.4	
Toluene*	**0.102**	0.050	01/29/2020	ND	2.02	101	2.00	9.90	
Ethylbenzene*	**0.115**	0.050	01/29/2020	ND	2.00	100	2.00	10.6	
Total Xylenes*	**1.16**	0.150	01/29/2020	ND	5.99	99.8	6.00	10.3	
Total BTEX	**1.38**	0.300	01/29/2020	ND					

Surrogate: 4-Bromofluorobenzene (PID *135 %* *73.3-129*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**16.0**	16.0	01/29/2020	ND	416	104	400	7.41	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	**65.3**	10.0	01/29/2020	ND	204	102	200	0.469	
DRO >C10-C28*	**2370**	10.0	01/29/2020	ND	222	111	200	0.303	
EXT DRO >C28-C36	**399**	10.0	01/29/2020	ND					

Surrogate: 1-Chlorooctane *102 %* *41-142*

Surrogate: 1-Chlorooctadecane *110 %* *37.6-147*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

TASMAN GEOSCIENCES
KYLE NORMAN
6899 PECOS ST. UNIT C
DENVER CO, 80221
Fax To:

Received:	01/28/2020	Sampling Date:	01/28/2020
Reported:	01/29/2020	Sampling Type:	Soil
Project Name:	DCP	Sampling Condition:	Cool & Intact
Project Number:	11117 FIG 1-3 LEAK 1-3	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

Sample ID: WALL 5 PT. (H000265-09)

BTEX 8021B mg/kg Analyzed By: MS S-04

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/29/2020	ND	1.98	98.9	2.00	10.4	
Toluene*	<0.050	0.050	01/29/2020	ND	2.02	101	2.00	9.90	
Ethylbenzene*	**0.077**	0.050	01/29/2020	ND	2.00	100	2.00	10.6	
Total Xylenes*	**0.544**	0.150	01/29/2020	ND	5.99	99.8	6.00	10.3	
Total BTEX	**0.621**	0.300	01/29/2020	ND					

Surrogate: 4-Bromofluorobenzene (PID *140 %* *73.3-129*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**32.0**	16.0	01/29/2020	ND	416	104	400	7.41	

TPH 8015M mg/kg Analyzed By: MS S-04

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	**33.5**	10.0	01/29/2020	ND	204	102	200	0.469	
DRO >C10-C28*	**3810**	10.0	01/29/2020	ND	222	111	200	0.303	
EXT DRO >C28-C36	**875**	10.0	01/29/2020	ND					

Surrogate: 1-Chlorooctane *84.0 %* *41-142*

Surrogate: 1-Chlorooctadecane *154 %* *37.6-147*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

TASMAN GEOSCIENCES
KYLE NORMAN
6899 PECOS ST. UNIT C
DENVER CO, 80221
Fax To:

Received:	01/28/2020	Sampling Date:	01/28/2020
Reported:	01/29/2020	Sampling Type:	Soil
Project Name:	DCP	Sampling Condition:	Cool & Intact
Project Number:	11117 FIG 1-3 LEAK 1-3	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

Sample ID: BOTTOM - 1 @ 1' 5 PT. (H000265-10)

BTEX 8021B mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/29/2020	ND	1.98	98.9	2.00	10.4	
Toluene*	<0.050	0.050	01/29/2020	ND	2.02	101	2.00	9.90	
Ethylbenzene*	<0.050	0.050	01/29/2020	ND	2.00	100	2.00	10.6	
Total Xylenes*	<0.150	0.150	01/29/2020	ND	5.99	99.8	6.00	10.3	
Total BTEX	<0.300	0.300	01/29/2020	ND					

Surrogate: 4-Bromofluorobenzene (PID *92.4 %* *73.3-129*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**48.0**	16.0	01/29/2020	ND	416	104	400	7.41	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/29/2020	ND	204	102	200	0.469	
DRO >C10-C28*	**281**	10.0	01/29/2020	ND	222	111	200	0.303	
EXT DRO >C28-C36	**95.2**	10.0	01/29/2020	ND					

Surrogate: 1-Chlorooctane *70.5 %* *41-142*

Surrogate: 1-Chlorooctadecane *81.8 %* *37.6-147*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

TASMAN GEOSCIENCES
KYLE NORMAN
6899 PECOS ST. UNIT C
DENVER CO, 80221
Fax To:

Received:	01/28/2020	Sampling Date:	01/28/2020
Reported:	01/29/2020	Sampling Type:	Soil
Project Name:	DCP	Sampling Condition:	Cool & Intact
Project Number:	11117 FIG 1-3 LEAK 1-3	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

Sample ID: BOTTOM - 2 @ 1' 5 PT. (H000265-11)

BTEX 8021B mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/29/2020	ND	1.98	98.9	2.00	10.4	
Toluene*	<0.050	0.050	01/29/2020	ND	2.02	101	2.00	9.90	
Ethylbenzene*	<0.050	0.050	01/29/2020	ND	2.00	100	2.00	10.6	
Total Xylenes*	<0.150	0.150	01/29/2020	ND	5.99	99.8	6.00	10.3	
Total BTEX	<0.300	0.300	01/29/2020	ND					

Surrogate: 4-Bromofluorobenzene (PID *105 %* *73.3-129*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**48.0**	16.0	01/29/2020	ND	416	104	400	7.41	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/29/2020	ND	204	102	200	0.469	
DRO >C10-C28*	**3220**	10.0	01/29/2020	ND	222	111	200	0.303	
EXT DRO >C28-C36	**947**	10.0	01/29/2020	ND					

Surrogate: 1-Chlorooctane *63.8 %* *41-142*

Surrogate: 1-Chlorooctadecane *144 %* *37.6-147*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

TASMAN GEOSCIENCES
KYLE NORMAN
6899 PECOS ST. UNIT C
DENVER CO, 80221
Fax To:

Received:	01/28/2020	Sampling Date:	01/28/2020
Reported:	01/29/2020	Sampling Type:	Soil
Project Name:	DCP	Sampling Condition:	Cool & Intact
Project Number:	11117 FIG 1-3 LEAK 1-3	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

Sample ID: WALL 5 PT. (H000265-12)

BTEX 8021B mg/kg **Analyzed By: MS**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/29/2020	ND	1.98	98.9	2.00	10.4	
Toluene*	<0.050	0.050	01/29/2020	ND	2.02	101	2.00	9.90	
Ethylbenzene*	<0.050	0.050	01/29/2020	ND	2.00	100	2.00	10.6	
Total Xylenes*	<0.150	0.150	01/29/2020	ND	5.99	99.8	6.00	10.3	
Total BTEX	<0.300	0.300	01/29/2020	ND					

Surrogate: 4-Bromofluorobenzene (PID *98.2 %* *73.3-129*

Chloride, SM4500Cl-B mg/kg **Analyzed By: AC**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**16.0**	16.0	01/29/2020	ND	416	104	400	7.41	

TPH 8015M mg/kg **Analyzed By: MS**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/29/2020	ND	204	102	200	0.469	
DRO >C10-C28*	**13.4**	10.0	01/29/2020	ND	222	111	200	0.303	
EXT DRO >C28-C36	**11.6**	10.0	01/29/2020	ND					

Surrogate: 1-Chlorooctane *66.8 %* *41-142*

Surrogate: 1-Chlorooctadecane *67.0 %* *37.6-147*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

TASMAN GEOSCIENCES
KYLE NORMAN
6899 PECOS ST. UNIT C
DENVER CO, 80221
Fax To:

Received:	01/28/2020	Sampling Date:	01/28/2020
Reported:	01/29/2020	Sampling Type:	Soil
Project Name:	DCP	Sampling Condition:	Cool & Intact
Project Number:	11117 FIG 1-3 LEAK 1-3	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

Sample ID: BOTTOM @ 3' 5 PT. (H000265-13)

BTEX 8021B mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/29/2020	ND	1.98	98.9	2.00	10.4	
Toluene*	<0.050	0.050	01/29/2020	ND	2.02	101	2.00	9.90	
Ethylbenzene*	<0.050	0.050	01/29/2020	ND	2.00	100	2.00	10.6	
Total Xylenes*	<0.150	0.150	01/29/2020	ND	5.99	99.8	6.00	10.3	
Total BTEX	<0.300	0.300	01/29/2020	ND					

Surrogate: 4-Bromofluorobenzene (PID *101 %* *73.3-129*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**16.0**	16.0	01/29/2020	ND	416	104	400	7.41	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/29/2020	ND	204	102	200	0.469	
DRO >C10-C28*	**117**	10.0	01/29/2020	ND	222	111	200	0.303	
EXT DRO >C28-C36	**36.8**	10.0	01/29/2020	ND					

Surrogate: 1-Chlorooctane *74.6 %* *41-142*

Surrogate: 1-Chlorooctadecane *82.7 %* *37.6-147*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Notes and Definitions

S-04	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C
	Samples reported on an as received basis (wet) unless otherwise noted on report

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

Rush

1 of 3

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

CARDINAL LABORATORIES
101 East Marland, Hobbs, NM 88240 2111 Beechwood, Abilene, TX 79603
(505) 393-2326 FAX (505) 393-2476 (325) 673-7001 FAX (325)673-7020

Company Name: Tasman Geosciences	**BILL TO**
Project Manager: Kyle Norman	**P.O. #:**
Address: 2620 W. Marland Blvd.	**Company:** Tasman Geo
City: Hobbs **State:** NM **Zip:** 88240	**Attn:** Kyle Norman
Phone #: 575-318-5017 **Fax #:**	**Address:** 2620 W. Marland
Project #: **Project Owner:** DCP Midstream	**City:** Hobbs
Project Name: DCP	**State:** NM **Zip:** 88240
Project Location: 11117 Fig-1 Leak 1	**Phone #:** 575-318-5017
Sampler Name: BECKY GRIFFIN	**Fax #:**

FOR LAB USE ONLY				MATRIX						PRESERV.			SAMPLING		ANALYSIS REQUEST											
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE:	ICE / COOL	OTHER :	DATE	TIME	Chlorides	TPH 8015 M	BTEX	Texas TPH	Complete Cations/Anions	TDS						
H000265																									
1	WALL-1 5PT	C	1			✓					✓		1-28-20	9:00	✓	✓	✓									
2	WALL-2 5PT	C	1			✓					✓			9:10	✓	✓	✓									
3	WALL-3 5PT	C	1			✓					✓			9:20	✓	✓	✓									
4	BOTTOM-1@3' 5PT	C	1			✓					✓			9:30	✓	✓	✓									
5	BOTTOM-2@3' 5PT	C	1			✓					✓			9:40	✓	✓	✓									
6	BOTTOM-3@3' 5PT	C	1			✓					✓			9:50	✓	✓	✓									
7	BOTTOM-4@8' 5PT	C	1			✓					✓			10:00	✓	✓	✓									
8	BOTTOM-5@8' 5PT	C	1			✓					✓			10:10	✓	✓	✓									

Relinquished By: Becky Griffin	**Date:** 1-28-20 **Time:** 1605	**Received By:** Tamara Oldaker	**Phone Result:** ☐ Yes ☑ No **Add'l Phone #:**
Relinquished By:	**Date:** **Time:**	**Received By:**	**Fax Result:** ☐ Yes ☑ No **Add'l Fax #:**
Delivered By: (Circle One) Sampler - UPS - Bus - Other: #113 -1.5°C	**Sample Condition** Cool: ☑ Yes ☐ No Intact: ☑ Yes ☐ No	**CHECKED BY: (Initials)** TO.	**REMARKS:** email results: knorman@tasman-geo.com; hconder@tasman-geo.com: bcooper@tasman-geo.com Cook, John W <JWCook@dcpmidstream.com> Hyman, Albert L <ALHyman@dcpmidstream.com> Hyman, Janice L <JHyman@dcpmidstream.com>

† Cardinal cannot accept verbal changes. Please fax written changes to 505-393-2476

2 of 3

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

CARDINAL LABORATORIES
101 East Marland, Hobbs, NM 88240 2111 Beechwood, Abilene, TX 79603
(505) 393-2326 FAX (505) 393-2476 (325) 673-7001 FAX (325)673-7020

Company Name: Tasman Geosciences	**BILL TO**
Project Manager: Kyle Norman	**P.O. #:**
Address: 2620 W. Marland Blvd.	**Company:** Tasman Geo
City: Hobbs **State:** NM **Zip:** 88240	**Attn:** Kyle Norman
Phone #: 575-318-5017 **Fax #:**	**Address:** 2620 W. Marland
Project #: **Project Owner:** DCP Midstream	**City:** Hobbs
Project Name: DCP	**State:** NM **Zip:** 88240
Project Location: 11117 Fig-2 Leak 2	**Phone #:** 575-318-5017
Sampler Name: BECKY GRIFFIN	**Fax #:**

FOR LAB USE ONLY Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	PRESERV.: ACID/BASE:	ICE / COOL	OTHER :	SAMPLING: DATE	TIME	Chlorides	TPH 8015 M	BTEX	Texas TPH	Complete Cations/Anions	TDS
H000265																				
9	WALL 5 PT	C	1			✓					✓		1-28-20	11:00	✓	✓	✓			
10	BOTTOM-1@1' 5 PT	C	1			✓					✓		"	11:10	✓	✓	✓			
11	BOTTOM-2@1' 5PT	C	1			✓					✓		"	11:20	✓	✓	✓			

Relinquished By: Becky Griffin	**Date:** 1-28-20 **Time:** 1605	**Received By:** Tamara Oldaker	
Relinquished By:	**Date:** **Time:**	**Received By:**	
Delivered By: (Circle One) Sampler - UPS - Bus - Other: #113 -1.5°	**Sample Condition** Cool: ☑ Yes ☐ No Intact: ☑ Yes ☐ No	**CHECKED BY: (Initials)** JD.	

Phone Result: ☐ Yes ☑ No **Add'l Phone #:**
Fax Result: ☐ Yes ☑ No **Add'l Fax #:**
REMARKS:

email results: knorman@tasman-geo.com;
hconder@tasman-geo.com: bcooper@tasman-geo.com
Cook, John W <JWCook@dcpmidstream.com>
Hyman, Albert L <ALHyman@dcpmidstream.com>
Hyman, Janice L <JHyman@dcpmidstream.com>

† Cardinal cannot accept verbal changes. Please fax written changes to 505-393-2476

3 of 3

CARDINAL LABORATORIES

101 East Marland, Hobbs, NM 88240 2111 Beechwood, Abilene, TX 79603
(505) 393-2326 FAX (505) 393-2476 (325) 673-7001 FAX (325)673-7020

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name:	Tasman Geosciences	**BILL TO**	
Project Manager:	Kyle Norman	P.O. #:	
Address:	2620 W. Marland Blvd.	Company:	Tasman Geo
City:	Hobbs	Attn:	Kyle Norman
State:	NM	Zip:	88240
Phone #:	575-318-5017	Address:	2620 W. Marland
Fax #:		City:	Hobbs
Project #:		State:	NM
Project Owner:	DCP Midstream	Zip:	88240
Project Name:	DCP	Phone #:	575-318-5017
Project Location:	11117 Fig-3 Leak 3	Fax #:	
Sampler Name:	Becky Griffin		

FOR LAB USE ONLY				MATRIX							PRESERV.			SAMPLING		ANALYSIS REQUEST										
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE:	ICE / COOL	OTHER :	DATE	TIME	Chlorides	TPH 8015 M	BTEX	Texas TPH	Complete Cations/Anions	TDS						
H000265																										
12	WALL 5 PT	C	1			✓					✓		1-28-20	12:00	✓	✓	✓									
13	BOTTOM @ 3' 5 PT	C	1			✓					✓		1-28-20	12:00	✓	✓	✓									

Relinquished By:	Date: 1-28-20	Received By:	
	Time: 1405		
Relinquished By:	Date:	Received By:	
	Time:		

Delivered By: (Circle One)	Sample Condition	CHECKED BY:	
Sampler - UPS - Bus - Other: #113 -1.5°C	Cool: ☑ Yes ☐ No	Intact: ☑ Yes ☐ No	(Initials)

Phone Result:	☐ Yes	☑ No	Add'l Phone #:
Fax Result:	☐ Yes	☑ No	Add'l Fax #:

REMARKS:

email results: knorman@tasman-geo.com; hconder@tasman-geo.com: bcooper@tasman-geo.com
Cook, John W <JWCook@dcpmidstream.com>
Hyman, Albert L <ALHyman@dcpmidstream.com>
Hyman, Janice L <JHyman@dcpmidstream.com>

† Cardinal cannot accept verbal changes. Please fax written changes to 505-393-2476

District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 S. First St., Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural Resources Department

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-141
Revised August 24, 2018
Submit to appropriate OCD District Office

Incident ID	
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

Responsibly Party	DCP Operating Company, LP	OGRID	36785
Contact Name	Stephen W Weathers	Contact Telephone	303-605-1718
Contact Email	SWWeathers@dcpmidstream.com	Incident # *(assigned by OCD)*	
Contact Mailing Address	370 17th Street, Suite 2500, Denver, CO 80202		

Location of Release Source

Latitude 32.297758 Longitude -104.255832

(Nad 83 in decimal degrees to 5 decimal places)

Site Name	Natural Gas Gathering Line #11117 Leak Location 2	Site Type	6" Steel Gas Gathering Pipeline
Date Release Discovered	07/19/19	API # *(if applicable)*	

Unit Letter	Section	Township	Range	County
P	14	23S	26E	Eddy County, NM

Surface Owner: ☐ State ☐ Federal ☐ Tribal ☑ Private *(Name:* Montclair Development Corporation

Nature and Volume of Release

Material(s) Released (Select all that apply and attach calculations or specific justification for the volumes provided below)

☐ Crude Oil	Volume Released (bbls)	Volume Recovered (bbls)
☐ Produced Water	Volume Released (bbls)	Volume Recovered (bbls)
	Is the concentration of total dissolved solids (TDS) in the produced water >10,000 mg/l?	☐ Yes ☐ No ☑ NA
☑ Condensate	Volume Released (bbls) Unknown	Volume Recovered (bbls) Unknown
☑ Natural Gas	Volume Released (Mcf) Unknown	Volume Recovered (Mcf) Unknown
☐ Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Released (provide units)

Cause of Release:
Seeping natural gas was discovered due to small pipeline failure (hole open under pressure). Initial field observations of the release suggested the volume of any associated hydrocarbon liquids was below NMOCD reporting thresholds. After further investigation and assessment of recent analytical data, the release has now been conservatively estimated to be equal to or somewhat greater than the minimum reportable quantity (minor release threshold).

Form C-141
Page 2

State of New Mexico
Oil Conservation Division

Incident ID	
District RP	
Facility ID	
Application ID	

Was this a major release as defined by 19.15.29.7(A) NMAC? ☐ Yes ☑ No	If YES, for what reason(s) does the responsible party consider this a major release?
If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means? (phone, email, etc)?	

Initial Response

The responsible party must undertake the following actions immediatedly unless they could create a safety hazard that would result in injury

- ☑ The source of the release has been stopped.
- ☑ The impacted area has been secured to protect human health and the environment.
- ☑ Release materials have been contained via the use of berms or dikes, absorbent pads, or other containmei
- ☑ All free liquids and recoverable materials have been removed and managed appropriately.

If all the actions described above have not been undertaken, explain why:

Per 19.15.29.8 B. (4) NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please attach a narrative of actions to date. If remedial efforts have been suffessfully completed or if the release occurred within a lined containment area (see 19.15.29.11 (A)(5)(a) NMAC), please attach all information needed for closure evaluation.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

Printed Name: Kyle Norman Title: Regional Project Manager

Signature: Kyle Norman Date: 6/15/2020

email: knorman@tasman-geo.com Telephone: 575-318-5017

OCD Only

Received by: Date:

State of New Mexico
Oil Conservation Division

Incident ID	NRM2016954249
District RP	
Facility ID	
Application ID	

Site Assessment/Characterization

This information must be provided to the appropriate district office no later than 90 days after the release discovery date.

What is the shallowest depth to groundwater beneath the area affected by the release?	~197 (ft bgs)
Did this release impact groundwater or surface water?	☐ Yes ☒ No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	☐ Yes ☒ No
Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?	☐ Yes ☒ No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	☐ Yes ☒ No
Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?	☐ Yes ☒ No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	☒ Yes ☐ No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	☐ Yes ☒ No
Are the lateral extents of the release within 300 feet of a wetland?	☐ Yes ☒ No
Are the lateral extents of the release overlying a subsurface mine?	☐ Yes ☒ No
Are the lateral extents of the release overlying an unstable area such as karst geology?	☐ Yes ☒ No
Are the lateral extents of the release within a 100-year floodplain?	☐ Yes ☒ No
Did the release impact areas **not** on an exploration, development, production, or storage site?	☒ Yes ☐ No

Attach a comprehensive report (electronic submittals in .pdf format are preferred) demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined. Refer to 19.15.29.11 NMAC for specifics.

Characterization Report Checklist: ***Each of the following items must be included in the report.***

- ☒ Scaled site map showing impacted area, surface features, subsurface features, delineation points, and monitoring wells.
- ☒ Field data
- ☒ Data table of soil contaminant concentration data
- ☒ Depth to water determination
- ☒ Determination of water sources and significant watercourses within ½-mile of the lateral extents of the release
- ☒ Boring or excavation logs
- ☒ Photographs including date and GIS information
- ☒ Topographic/Aerial maps
- ☒ Laboratory data including chain of custody

If the site characterization report does not include completed efforts at remediation of the release, the report must include a proposed remediation plan. That plan must include the estimated volume of material to be remediated, the proposed remediation technique, proposed sampling plan and methods, anticipated timelines for beginning and completing the remediation. The closure criteria for a release are contained in Table 1 of 19.15.29.12 NMAC, however, use of the table is modified by site- and release-specific parameters.

State of New Mexico
Oil Conservation Division

Incident ID	NRM2016954249
District RP	
Facility ID	
Application ID	

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

Printed Name: Kyle Norman Title: Regional Project Manager

Signature: Kyle Norman Date: 9/9/2020

email: knorman@tasman-geo.com Telephone: 575-318-5017

OCD Only

Received by: Cristina Eads Date: 09/10/2020

State of New Mexico
Oil Conservation Division

Incident ID	NRM2016954249
District RP	
Facility ID	
Application ID	

Remediation Plan

Remediation Plan Checklist: ***Each of the following items must be included in the plan.***

☒ Detailed description of proposed remediation technique
☒ Scaled sitemap with GPS coordinates showing delineation points
☒ Estimated volume of material to be remediated
☒ Closure criteria is to Table 1 specifications subject to 19.15.29.12(C)(4) NMAC
☒ Proposed schedule for remediation (note if remediation plan timeline is more than 90 days OCD approval is required)

Deferral Requests Only: ***Each of the following items must be confirmed as part of any request for deferral of remediation.***

☐ Contamination must be in areas immediately under or around production equipment where remediation could cause a major facility deconstruction.

☐ Extents of contamination must be fully delineated.

☐ Contamination does not cause an imminent risk to human health, the environment, or groundwater.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

Printed Name: Kyle Norman Title: Regional Project Manager

Signature: Kyle Norman Date: 9/9/2020

email: knorman@tasman-geo.com Telephone: 575-318-5017

OCD Only

Received by: Cristina Eads Date: 09/09/2020

☐ Approved ☒ Approved with Attached Conditions of Approval ☐ Denied ☐ Deferral Approved

Signature: Cristina Eads Date: 09/10/2020